

Converting Colors

CIELCh(82, 103.863, 131.083)

Have a look what the booklet for
CIELCh(82, 103.863, 131.083)
contains.

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Color

CIELCh(82, 103.822, 131.080)

Conversions

Conversions Part 1

Format	Color
Hex	60E80A
RGB	96, 232, 10
RGB Percent	38%, 91%, 4%
CMY	0.6230, 0.0897, 0.9590
CMYK	0.59, 0.00, 0.96, 0.09
HSL	97°, 91%, 48%
HSV	97°, 96%, 91%
XYZ	33.7864, 60.2982, 10.1570
YIQ	166.0280, -9.7940, -97.8740

Conversions

Conversions Part 2

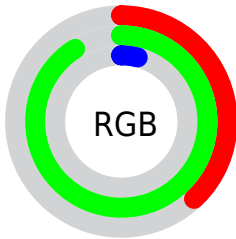
Format	Color
RYB	10, 232, 146
Decimal	6350858
CIELab	82.00, -68.22, 78.26
CIElCh	82, 103.822, 131.080
Yxy	60.2982, 0.3241, 0.5784
Android (android.graphics.Color)	4284540938 (0xFF60E80A)
YUV	166.0280, -76.9218, -61.4146
Hunter-Lab	77.6519, -58.2255, 46.6011

Details

The CIELCh color **82, 103.822, 131.080** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **42, 111.988, 314.943**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 86.741, 128.868**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 105.407, 131.518**, and if you desaturate by 10%, it is **83, 98.969, 130.286**.

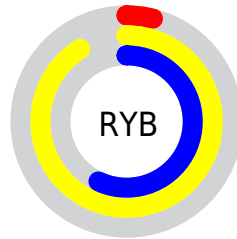
Distribution



Red (38%)

Green (91%)

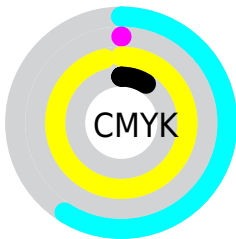
Blue (4%)



Red (4%)

Yellow (91%)

Blue (57%)

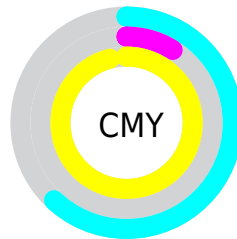


Cyan (59%)

Magenta (0%)

Yellow (96%)

Black (9%)



Cyan (62%)


Magenta (9%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 103.822, 131.080 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 82, 103.822, 131.080 by changing the saturation by 10% instead.


 82, 103.822,
131.080


 82, 103.822,
131.080


 100, 103.822,
131.080


 72, 103.822,
131.080

 62, 103.822,
131.080

 52, 103.822,
131.080

 42, 103.822,
131.080

 32, 103.822,
131.080

 22, 103.822,
131.080

 12, 103.822,

131.080

■ 2, 103.822,
131.080

■ 0, 103.822,
131.080

■ 82, 103.822,
131.080

■ 82, 103.822,
131.080

■ 82, 105.407,
131.518

■ 83, 98.969,
130.286

■ 83, 91.621,
129.965

■ 84, 82.164,
130.024

■ 85, 71.168,
130.331

■ 86, 59.151,
130.773

■ 87, 46.504,
131.271

■ 88, 33.508,
131.776

■ 90, 20.360,
132.262

■ 91, 7.198, 132.725

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82, 103.822, 131.080



42, 111.988, 314.943

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 103.822, 131.080



82, 103.822, 181.080



82, 103.822, 311.080



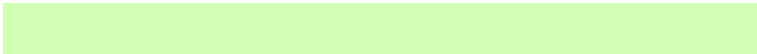
82, 103.822, 1.080

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



82, 103.822, 131.081



95, 41.096, 131.593



67, 75.702, 70.122



50, 28.158, 131.375



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 103.822, 131.081



89, 113.272, 131.594



81, 107.978, 137.137



48, 7.513, 132.542



65, 87.277, 131.281



19, 34.886, 130.797

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 111.988, 314.943



45, 122.000, 314.567



54, 98.951, 332.515



46, 7.592, 313.313



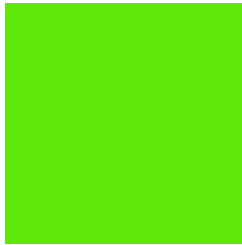
31, 94.178, 314.796



5, 38.205, 315.443

Previews

White Background



This preview shows how the CIELCh color 82, 103.822, 131.080 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 82, 103.822, 131.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 103.822, 131.080

Background



This preview shows how black text looks on a background with the CIELCh color 82, 103.822, 131.080.



This preview shows how white text looks on a background with the CIELCh color 82, 103.822, 131.080.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

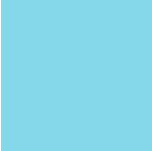
82, 103.822, 131.080

Protanopia

81, 82.408, 95.150

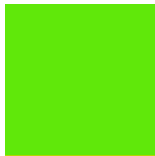
Deuteranopia

81, 74.966, 82.152



Tritanopia
82, 26.507, 217.861

Trichromacy



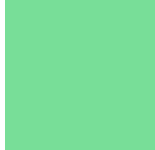
Original Color
82, 103.822, 131.080



Protanomaly
81, 86.025, 112.556



Deuteranomaly
80, 78.073, 106.439



Tritanomaly
81, 51.595, 150.585

Monochromacy



Original Color
82, 103.822, 131.080



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 47.133, 130.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 103.822, 131.080 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 232, 10)` looks like.

```
.text, #text, p{  
    color:rgb(96, 232, 10)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 232, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 232, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 103.822, 131.080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 232, 10) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 232, 10) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 232, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 232, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 232, 10);  
box-shadow:4px 4px 4px 4px rgb(96, 232,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 103.822, 131.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 232, 10) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 232,  
10) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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